

Adithya Sai Lenka


✉ adithya.lenka@gmail.com ☎ +91 97911 86733 📍 Chennai, Tamil Nadu, India

Profile

An enthusiastic and hard-working Post Baccalaureate Fellow at RBCDSAI, IIT-Madras with expertise in Python, Pytorch, C/C++, and Data Structures and Algorithms; Aiming to pursue an MS in Artificial Intelligence with a concentration in Computer Vision and Deep Learning to later work as a Research Scientist in Machine Perception of Visual Information.

Education

B.Tech.(Hons.), Computer Science & Engineering

SASTRA University 

CGPA: 8.8012/10

Relevant Courses: Data Mining, NLP, Machine Learning

Honors Coursework: Deep Learning and Computer Vision

Top 5% in the tests conducted by NPTEL administered by IIT-M

07/2019 - 07/2023

Thanjavur, India

Projects

Dysarthric Speech Recognition

04/2022 - 06/2022

Built a bag of models for slurred speech classification using Hidden Markov Models for robust representation learning and Support Vector Machine as discriminative classifier to achieve accuracy of 86.3%.

Professional Experience

Robert Bosch Centre for Data Science & Artificial Intelligence

12/2023 - present

Post Baccalaureate Fellow 

IIT-Madras, India

- Thermal Guided Low-Light Image Enhancement

Developed a transformer-based deep learning model to recover a well-lit image given a pair of low-light and thermal images.

- Stereo Low-Light Image Restoration

Performed a study on the advantage of using left and right images for image restoration tasks such as super-resolution, denoising and low-light enhancement.

- Point Cloud Semantic Segmentation

Currently experimenting on building deep learning models for point-wise semantic classification of 3-D point clouds.

Skills

Programming Languages

Python

C/C++

Java (limited)

Deep Learning Frameworks

Pytorch

Tensorflow (limited)

Computing

Experience with NVIDIA GPUs

Windows, Linux & MacOS

🏆 Internship Experience

ShopUp

SRE Intern

Automated CORS testing to enhance security of the site and report vulnerabilities due to misconfiguration.

09/2022 - 10/2023

Bangalore, India

Vasquez Lab, Dell Pediatric Research Institute, UT Austin

Undergraduate Research Intern

Implemented Interval Search Tree data structure to combine multiple data sources and perform analysis to correlate methylation, Z-DNA formation and mutation.

02/2023 - 07/2023

Austin, TX, USA

ShopUp

SRE Intern

Automated ingestion of log data to persistent storage allowing the Data Science team to query and perform analysis.

08/2022 - 09/2022

Bangalore, India

📄 Certificates

Deep Learning

Coursera

Python

Coursera

Machine Learning

Coursera

TensorFlow

Coursera

Data Science

PadhAI

Honours Courses

NPTEL

Quantum Computing

NPTEL Code Program

🏆 Achievements

Guinness Record Title Holder

Part of the Largest Electronic Keyboard Ensemble

05/2017

JEE (2019)

Main - 97.0795927 percentile

Advanced - 24,468 All India Rank

🏆 Leadership Roles

SASTRA University Football Team Captain

Competed in and won multiple inter-university state-level tournaments

07/2019 - 05/2023

Thanjavur, India

DAV - Bharati House Captain

Lead the house to win the Cultural Overall in 2015/16

07/2014 - 05/2017

Chennai, India

🏆 Community Involvement

SASTRA Student ExNoRa

Took part in multiple environmental service activities including cleaning campus and neighbouring communities.

Thanjavur, India

Association of Computer Engineers,

SASTRA

Core team member - Mentored junior students in learning competitive coding and data structures and algorithms.

Thanjavur, India